

# 32<sup>nd</sup> CAPCA Spring Meeting

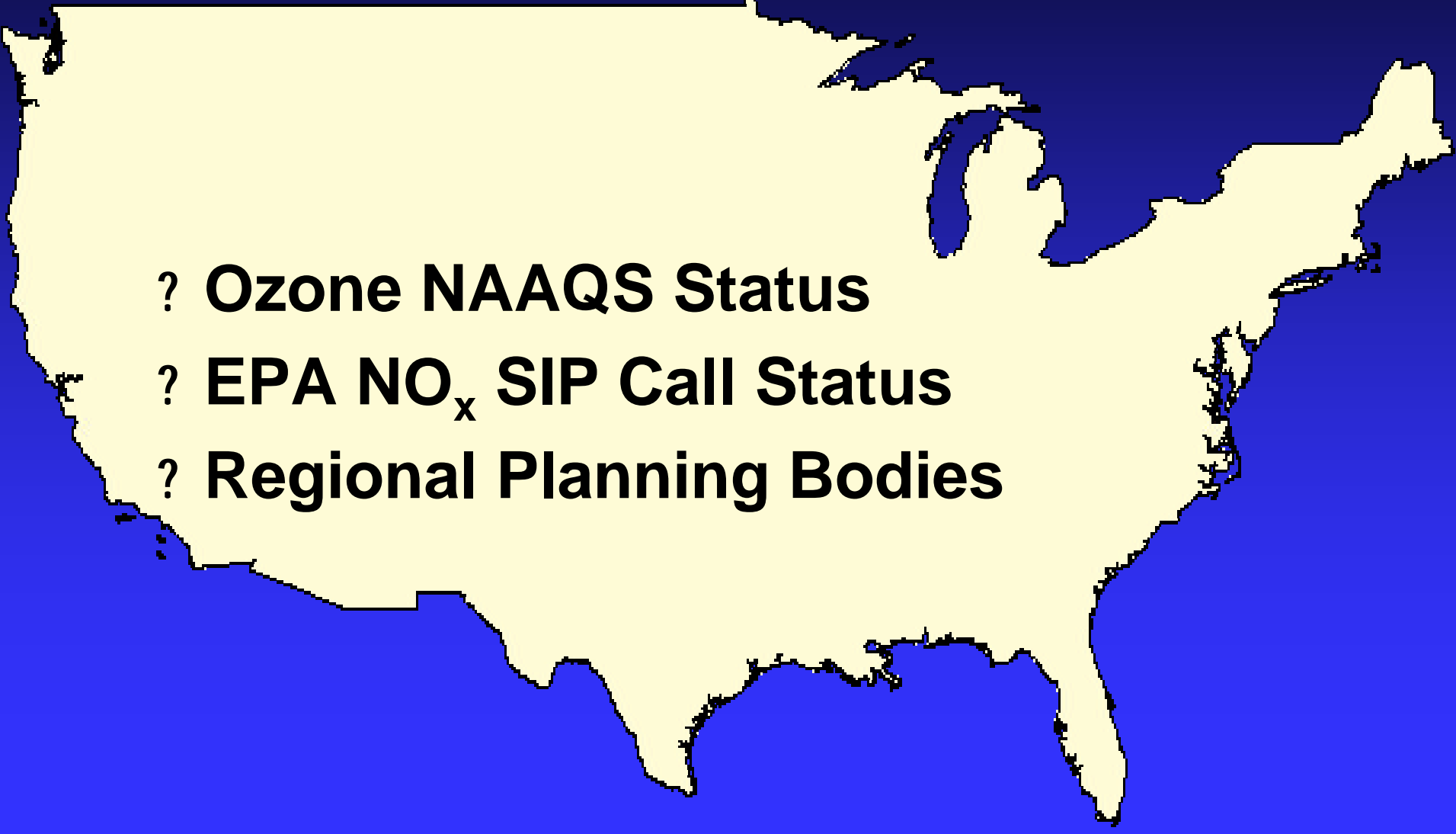
## April 18-20, 2001



*Jim Joy*

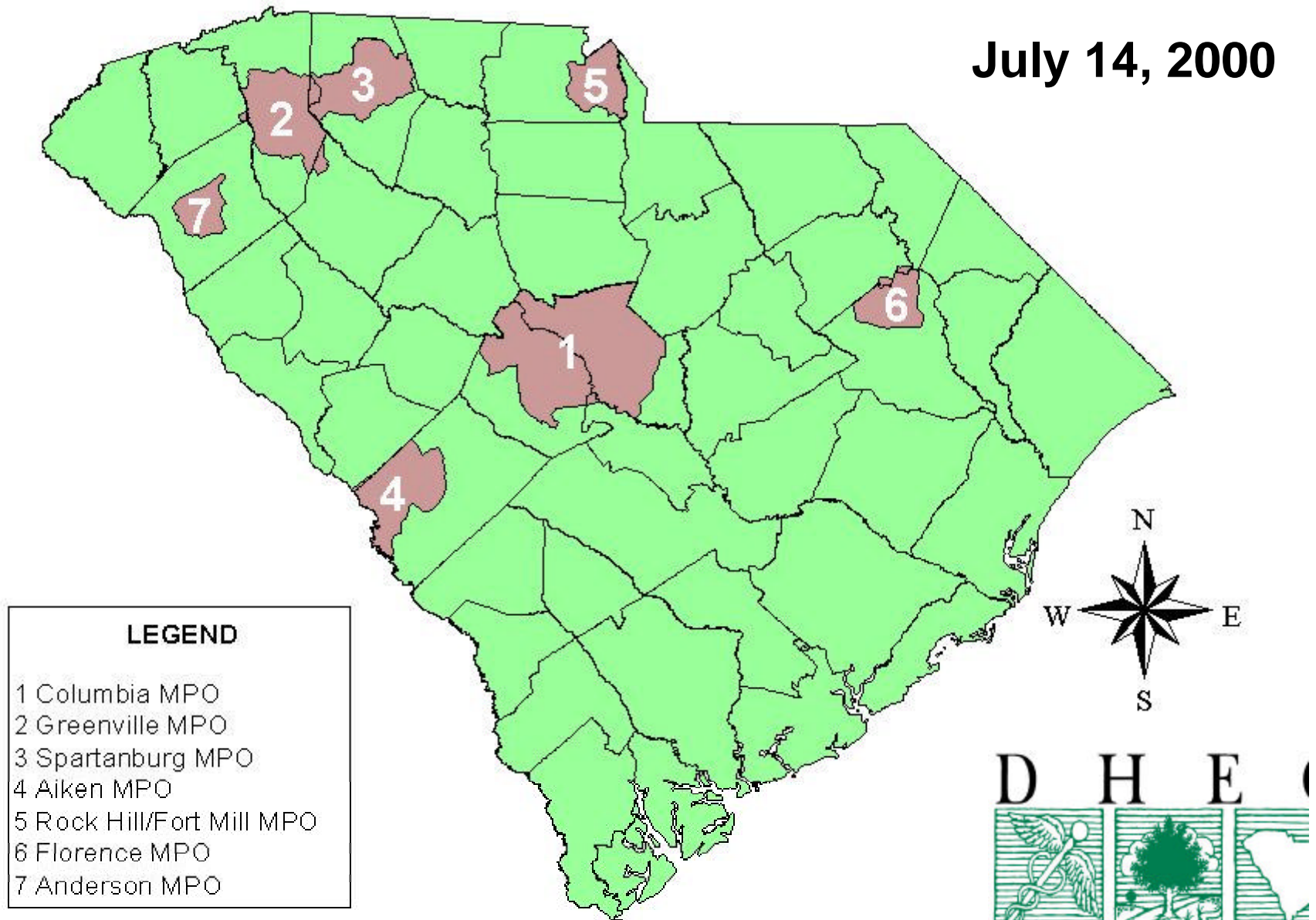
*Bureau of Air Quality*

# ***National Issues...***

- 
- ? Ozone NAAQS Status**
  - ? EPA NO<sub>x</sub> SIP Call Status**
  - ? Regional Planning Bodies**

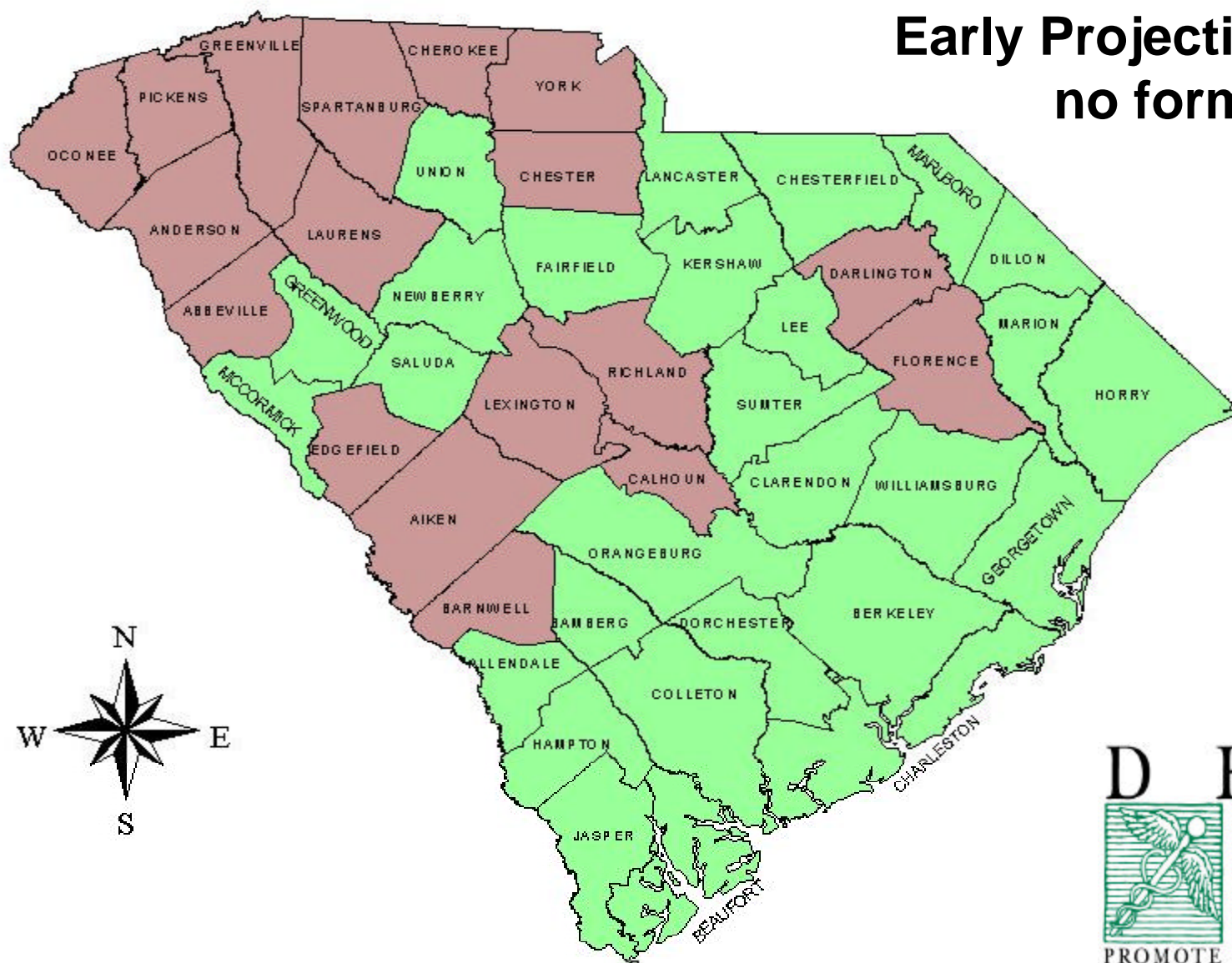
# South Carolina Recommendations for 8-Hour Ozone Nonattainment Areas

July 14, 2000



# EPA Recommendations for 8-Hour Ozone Nonattainment Areas

**Early Projections-  
no formal action**





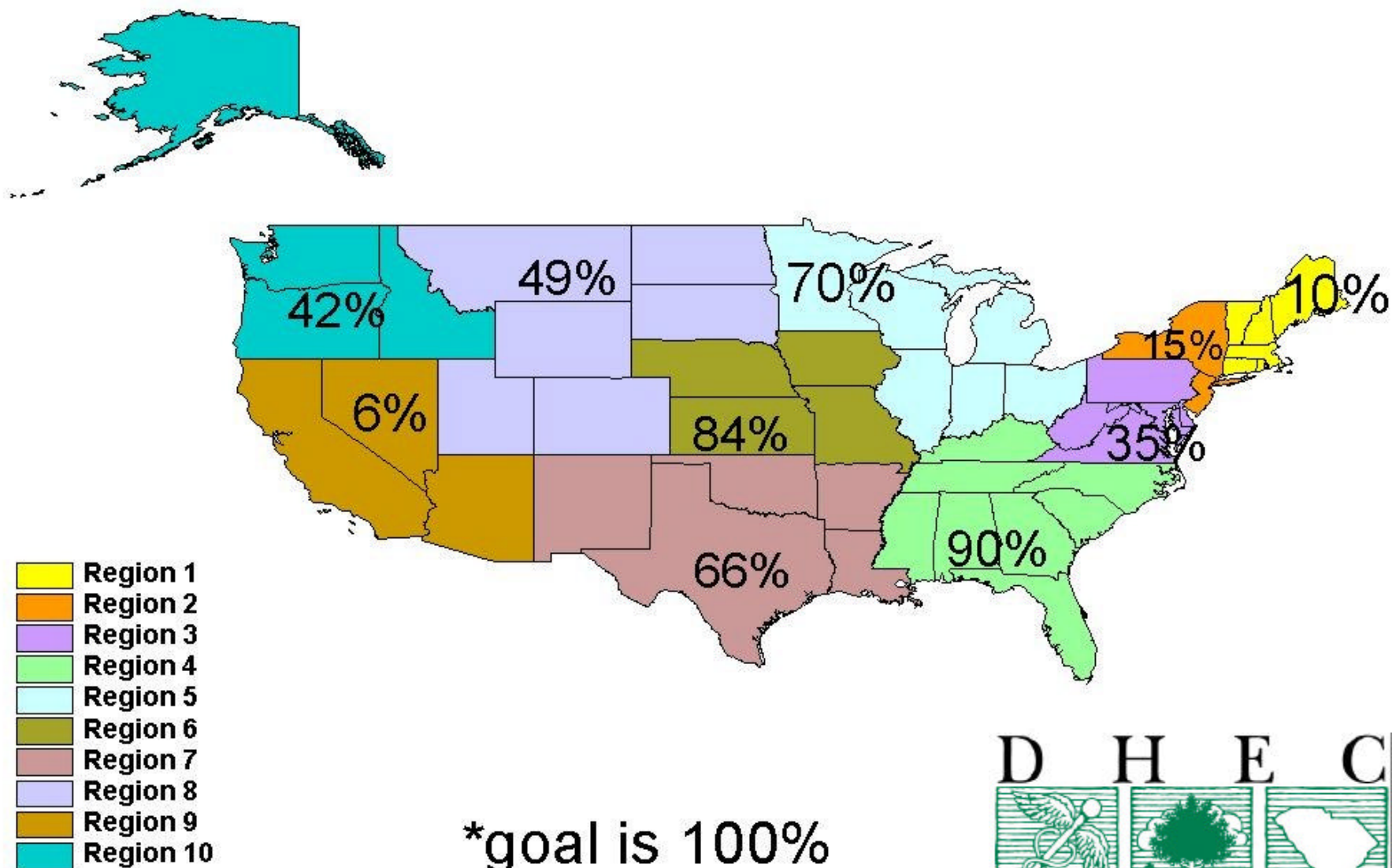
# 1 Hour Ozone Status Statewide Exceedances 1998 - 2000

County	1998 Hits	1999 Hits	2000 Hits	Co. Total
Anderson	2	1	0	3
Chester	0	1	0	1
Richland	1	1	0	2

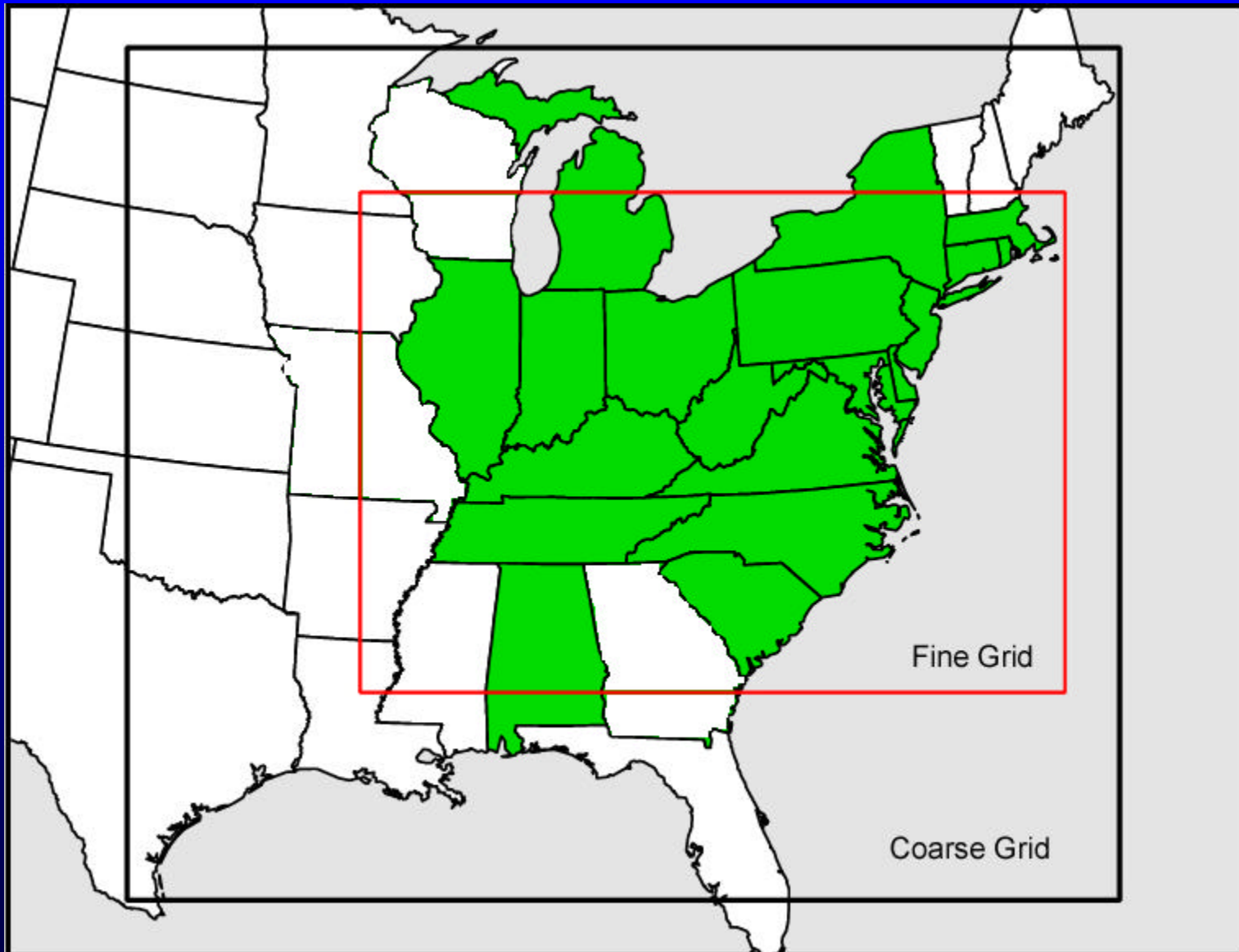
# 1 Hour Ozone Status Statewide Exceedances 1999 - 2001

County	1999 Hits	2000 Hits	2001 Hits	Co. Total
Anderson	1	0	?	?
Chester	1	0	?	?
Richland	1	0	?	?

Percentage of Region-wide population living in Areas Meeting  
Federal Ambient Air Quality Standards  
[note: Based on data from USEPA and US Census Bureau websites]



# States included in EPA's NOx SIP Call







**Condition Critical: NOXSIPITIS**






**Symptoms: Rigidity and dermal discoloration**

# SC NO<sub>x</sub> Regulations

- ✍ SIP Revision contains 3 major parts
  - ✍ Regulations adopting Federal Trading Rule for NO<sub>x</sub> emissions from Power Plants and Major non-Utility NO<sub>x</sub> industrial sources.
  - ✍ Regulations adopting federal rule requiring NO<sub>x</sub> controls on Cement Kilns.
  - ✍ NO<sub>x</sub> allocations for sources in the trading rule for the first three years of rule coverage. (Plus a NO<sub>x</sub> Budget for remaining emission sources – e.g. other stationary, mobile, ....)

# Existing Sources Affected by the NO<sub>x</sub> Trading Rule

## Utilities

-  SCE&G – 7 facilities – 15 units
-  Santee Cooper – 6 facilities – 18 units
-  Duke Power – 1 facility – 6 units
-  CP&L – 1 facility – 14 units
-  Cherokee Co-gen – 1 facility – 1 unit

# Existing Sources Affected by the NO<sub>x</sub> Trading Rule

## Major Industrial Sources – Non-Utility

 Bowater	- 1 facility – 1 unit
 Carolina Eastman	- 1 facility – 4 units
 Celanese Rock Hill	- 1 facility – 1 unit
 Dupont	- 1 facility – 1 unit
 IP Eastover	- 1 facility – 1 unit
 Sonoco	- 1 facility – 1 unit
 Springs	- 1 facility – 2 units
 Stone Container	- 1 facility – 1 unit
 CoGen South	- 1 facility – 4 units
 Willamette	- 1 facility – 1 unit



# Existing Sources Affected by SC NO<sub>x</sub> Regulation not in the NO<sub>x</sub> Trading Program

 Giant Cement – 4 units

 Blue Circle – 1 unit

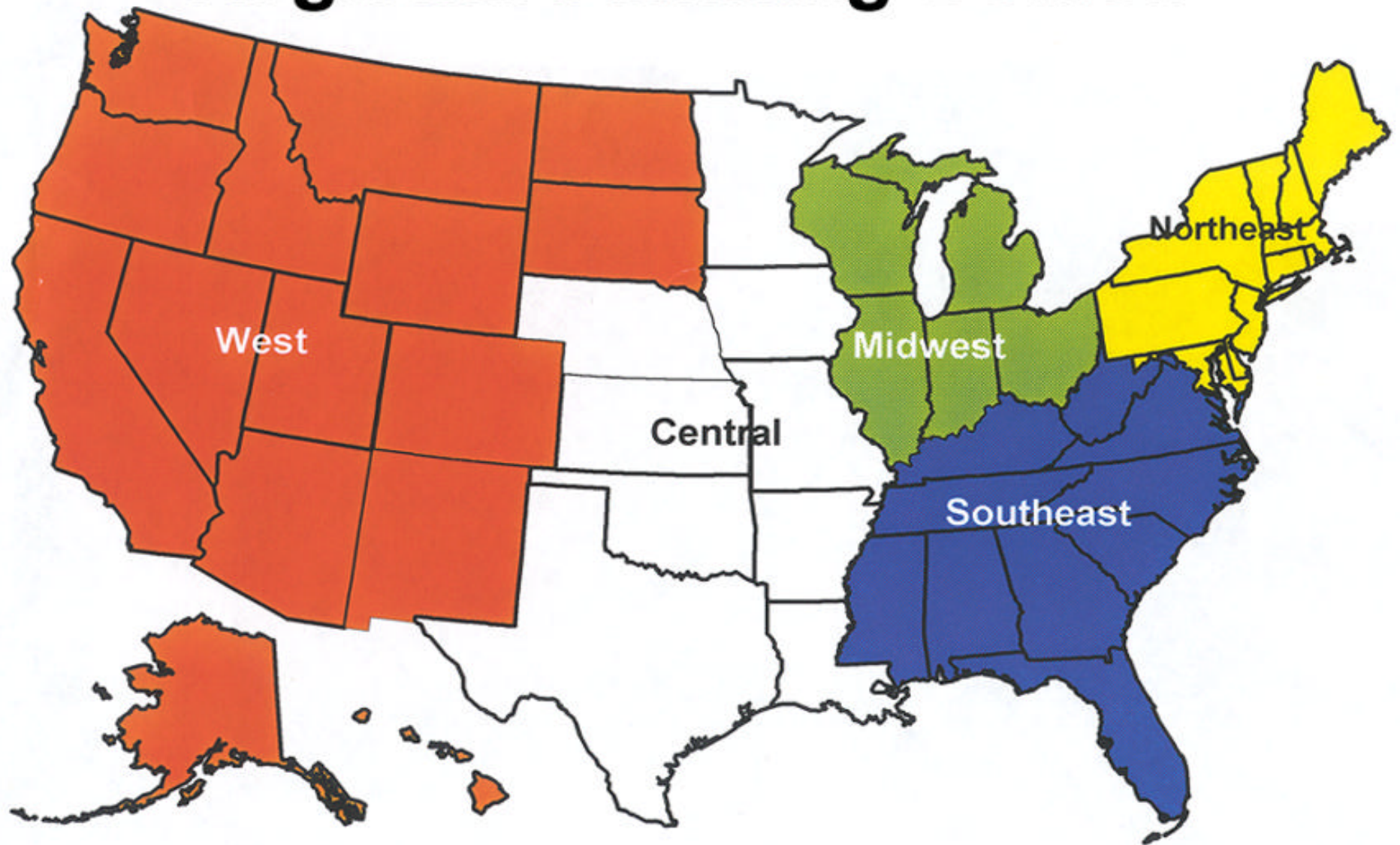
 Holnam – 2 units

# Timeline for Promulgation of SC's NOx SIP Call Regulation

-  Final Regulation/Public Hearing before the Board April 12, 2001
-  Board requested an additional 30 day public comment period on definition / applicability of cement kilns
-  Will go to Board for final approval on June 14, 2001
-  Will submit to State Legislature for approval
-  Regulation effective upon publication in SC State Register by mid-2002

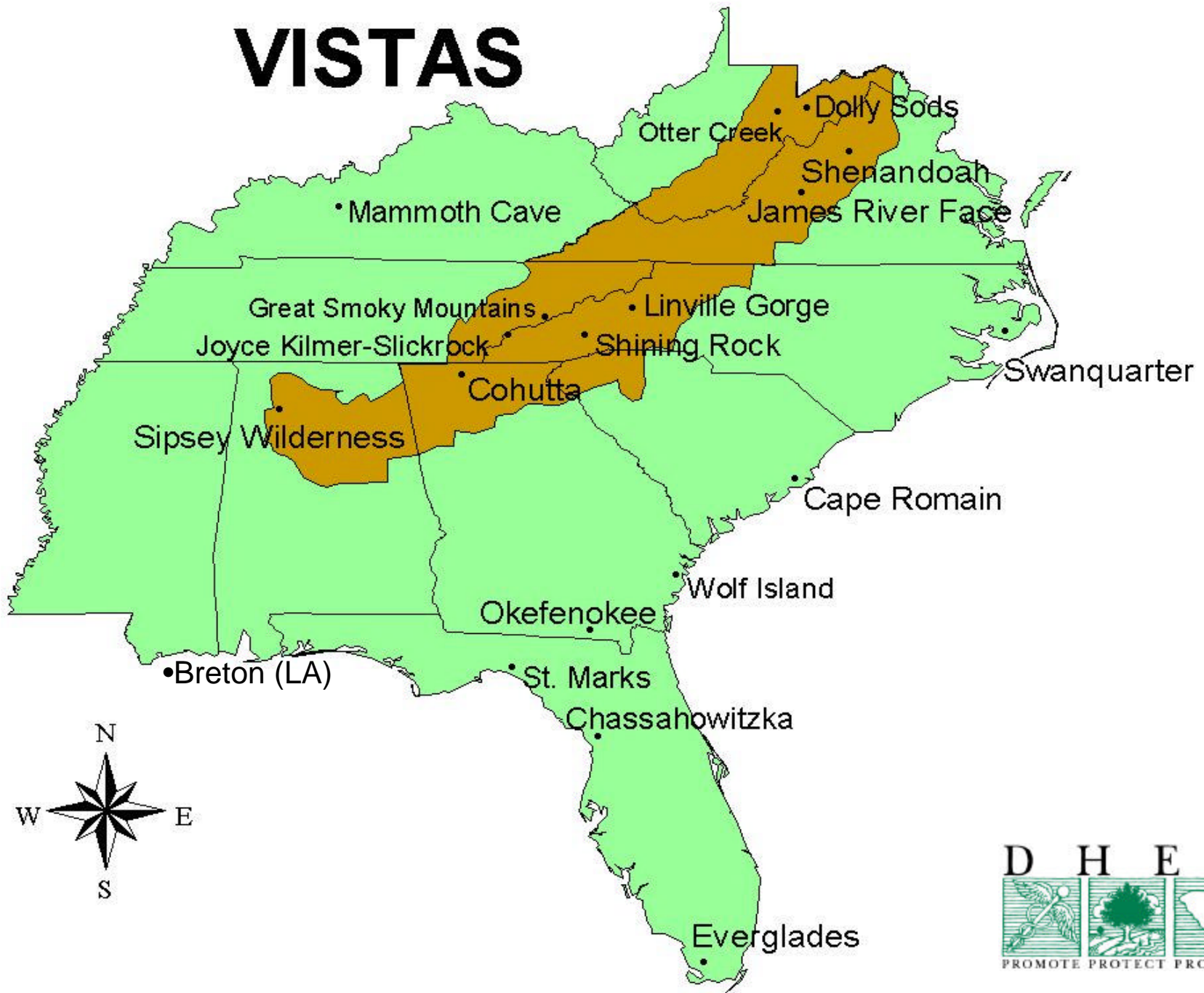


# Regional Planning Bodies





# VISTAS



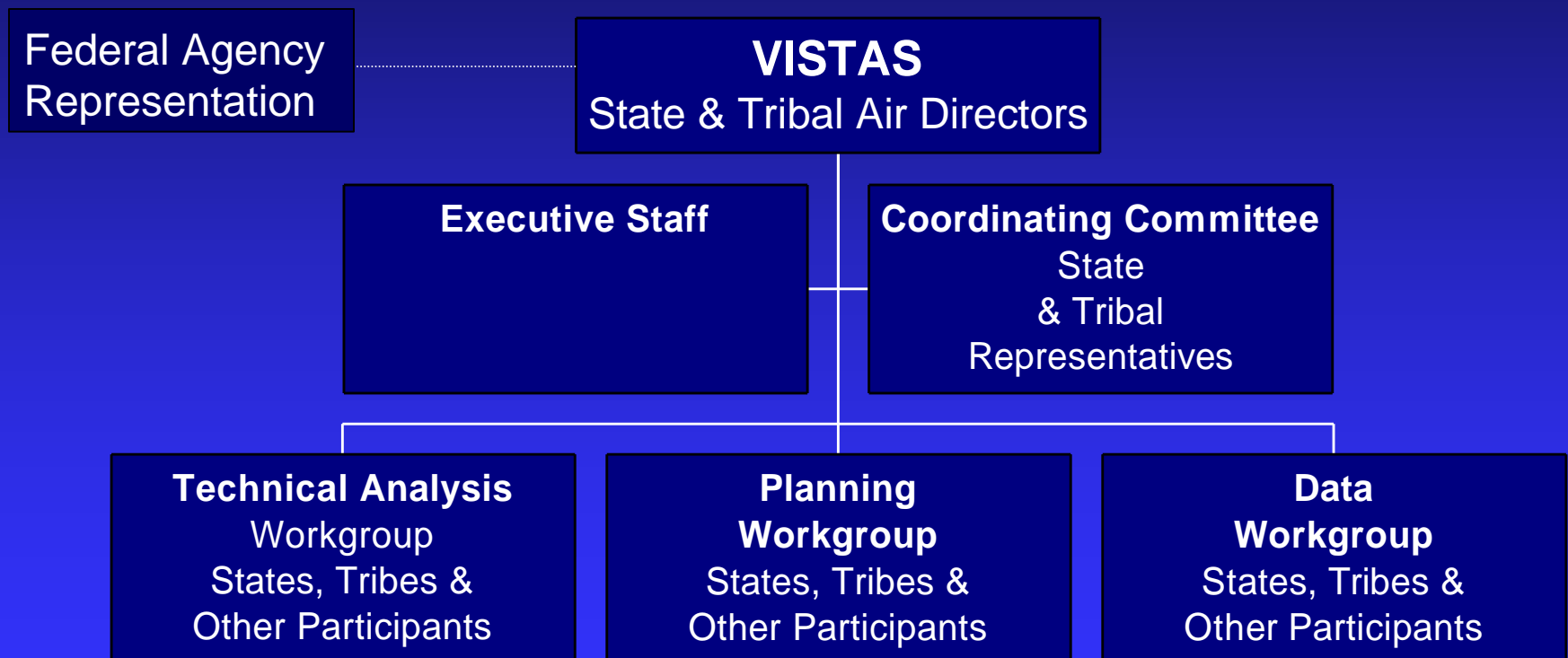
# What is VISTAS?

- ✍ Visibility Improvement - State and Tribal Association of the Southeast
  - ✍ States & Tribes / SIPs & TIPs
- ✍ Initiate & coordinate activities in S/E
- ✍ Regional Haze
- ✍ Visibility
- ✍ Other air quality issues ( $Pm_{fine}$  & Ozone)

# VISTAS

- ✍ Collaborative effort established to initiate and coordinate activities associated with the management of regional haze, visibility and other air quality issues in the Southeast.
- ✍ No independent regulatory authority and no authority to direct or establish State or Tribal law or policy.

# VISTAS Organizational Structure





# VISTAS Tribal Representation

- ✍ Eastern Band of Cherokee Indians\*
- ✍ Catawba Indian Nation
- ✍ Miccosukee Tribe of Indians of Florida
- ✍ Mississippi Band of Choctaw Indians
- ✍ Seminole Indian Tribe of Florida

\* Have § 105 approval

# State & Tribal Air Directors - STAD

- ✍ State Air Director (or designee)
- ✍ The Eastern Band of the Cherokee Indians
- ✍ Local Air Programs
  - ✍ President of Metro 4 or designee
- ✍ Only members with voting privileges
- ✍ “Policy oversight committee”

# VISTAS Coordinating Committee

- ✍ States & Tribes
- ✍ Appointed by the STAD
- ✍ Chaired by Vice-Chair of STAD
- ✍ Coordinate VISTAS activities
- ✍ Facilitate & coordinate workgroups

# VISTAS Workgroups

- ✍ Planning

- ✍ Data

  - ✍ Monitoring

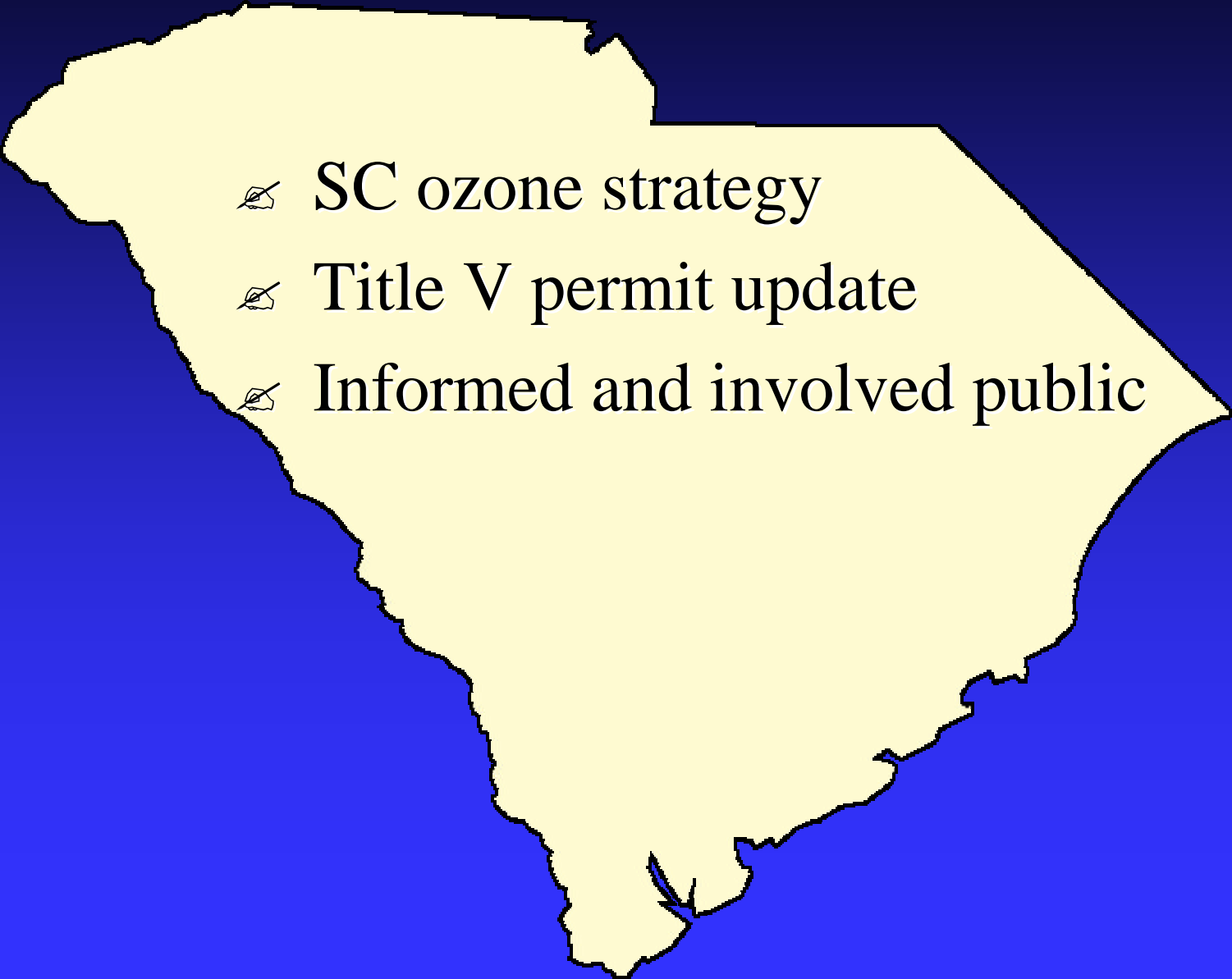
- ✍ Technical Analysis

  - ✍ Emissions Inventory

  - ✍ Modeling




- ✍ Made up of all stakeholders

# State Issues...

- 
- A yellow map of South Carolina is centered on a dark blue background. The map is outlined in black and contains a list of three items, each preceded by a small icon of a pen writing on a document.
- ✍ SC ozone strategy
  - ✍ Title V permit update
  - ✍ Informed and involved public

# Ozone and PM Strategies

## South Carolina ozone strategy

-  Settle on boundary determination
-  Complete modeling effort no later than October 2001 to enable development of draft attainment strategy
-  Attainment strategy in place no later than July 2003

## PM fine strategy

-  Continue monitoring efforts
-  Evaluate PM fine reduction effects of various ozone reduction efforts under consideration



# Ozone Next Steps

- ✍ Modeling contractor selected – SAI
- ✍ Reviewing episode selected (May 1998) to insure it meets EPA approval.
- ✍ Additional staff hired (statisticians, modelers) to help with ozone modeling work.
- ✍ Develop ozone modeling partnerships with other state, industry, and public stakeholders.
- ✍ Talking with NC about including SC in their 1995 and 1997 ozone episodes.

# Possible Reduction Strategies

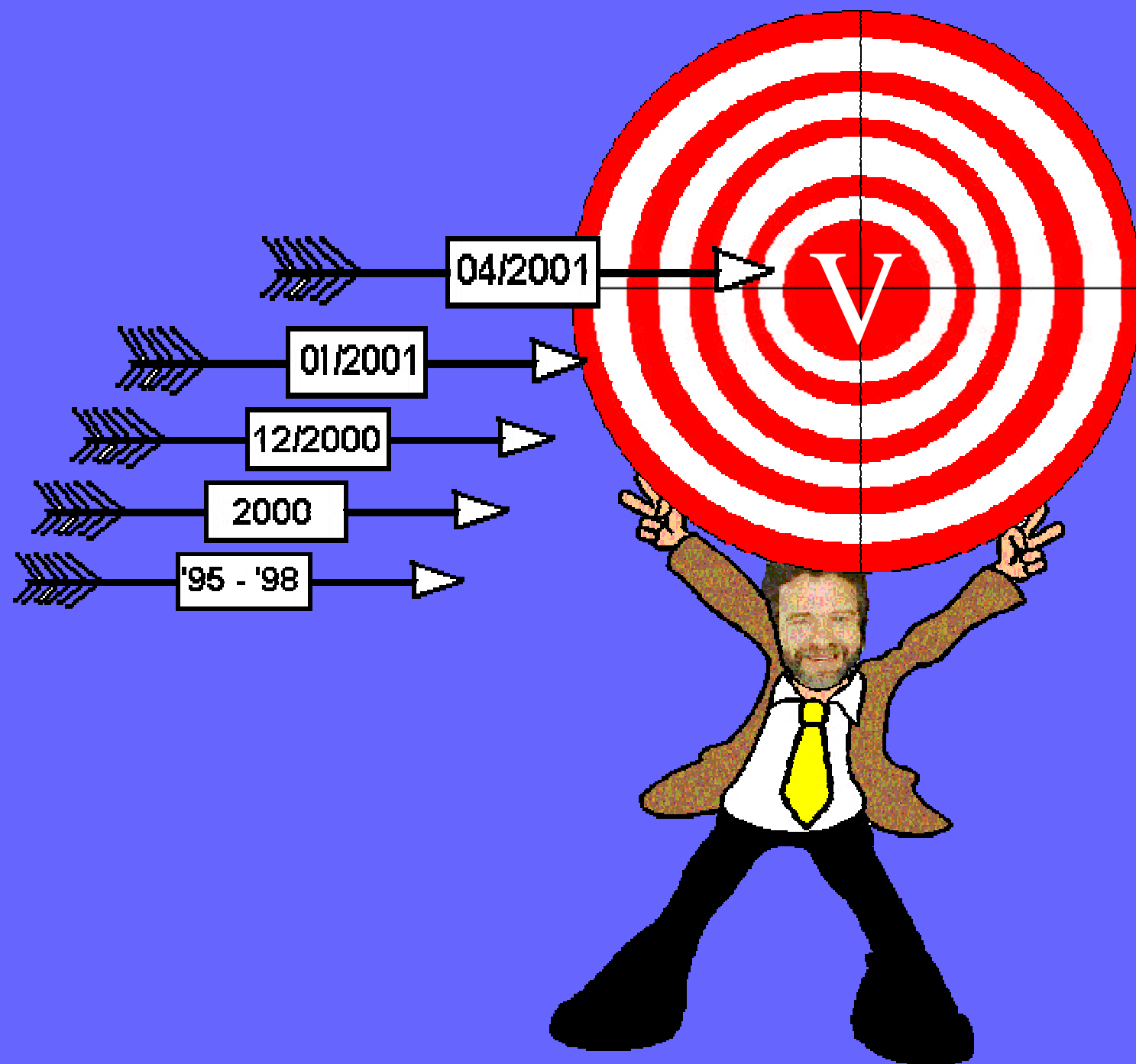
 Mix of controls on industry and mobile sources where needed/what makes sense

 Tier 2 and Low Sulfur Fuels

 NO<sub>x</sub> SIP Call

- Continue to support federal Cleaner Vehicle & Fuel Initiatives

 Determine additional steps necessary to achieve attainment



# Title V Permit Status 'Report Card'

as of April 3, 2001

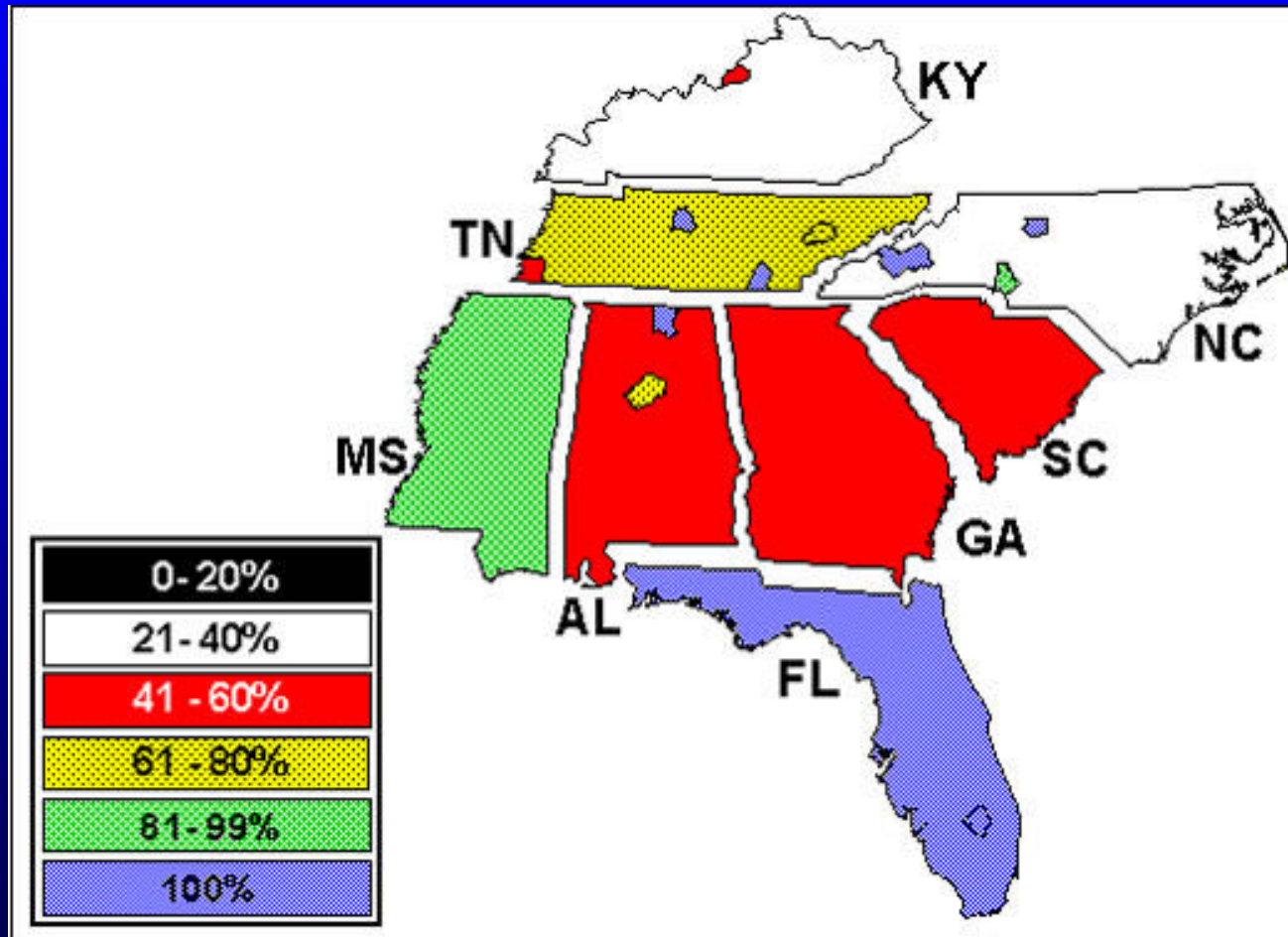


**Total = 302**

Permit Status	
Drafted	284
Sent for Internal Review	280
Sent to Facility for Review	282
Public Noticed	244
Permit Issued	179



# UPDATE -Title V Permit Status EPA Region 4 States



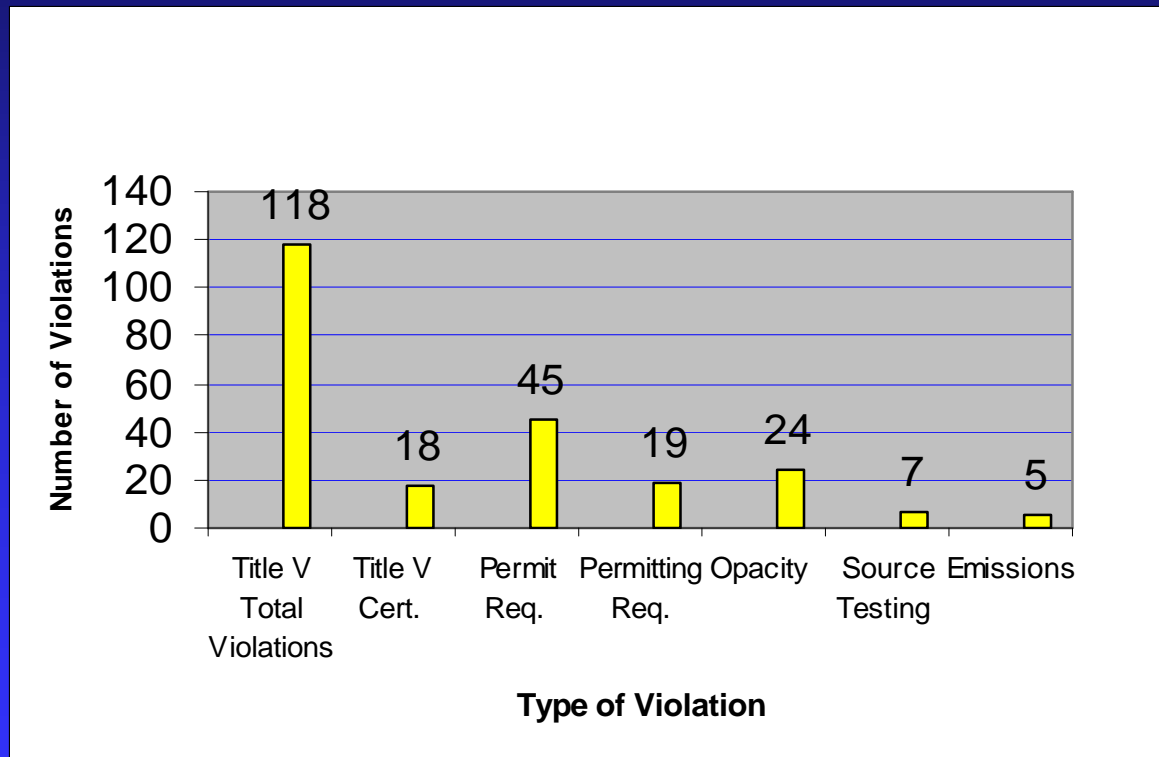
As of March 1, 2001

# Complying with Your Title V Permit

Title V emphasizes that the responsibility is on *you* to:

- ✍ READ and understand your permit
- ✍ REVIEW the requirements frequently
- ✍ MONITOR your status on a regular basis
- ✍ KEEP records as required
- ✍ REPORT your compliance status (e.g., Annual Compliance Certification, to both DHEC and the EPA)

# Summary of Title V Violations\* That Occurred During Calendar Year 2000



\*Not all actions have been evaluated.



# Summary of Violations\*

## Addressed During Calendar year 2000 at Title V Facilities in S.C.

✍ Number of different facilities where violations occurred.....	57
✍ Number of Notice of Violations issued.....	61
✍ Number of Consent or Administrative Orders issued.....	24
✍ Total for Civil Penalties.....	\$361,390.00

\*Not all actions have been evaluated.

# Informed & Involved Public



SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



~~L~~ive, interactive environmental workshop

~~A~~pril 17, 2001


~~B~~roadcast across the country

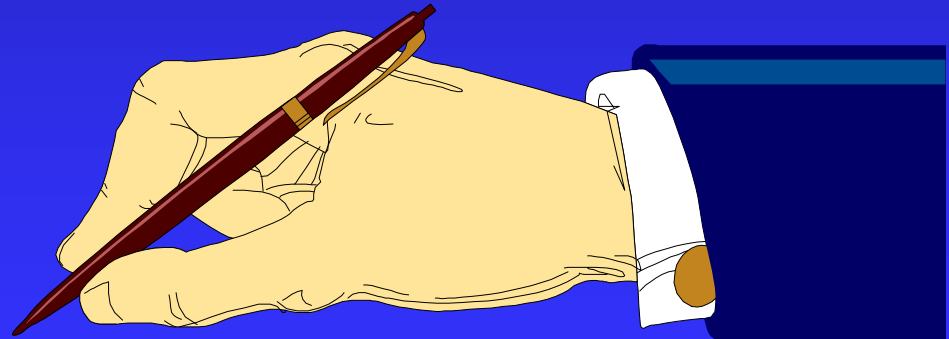
PBS Stations

1-2 p.m. EST

~~H~~osted by Nature Scene's Rudy Mancke  
and Jim Welch

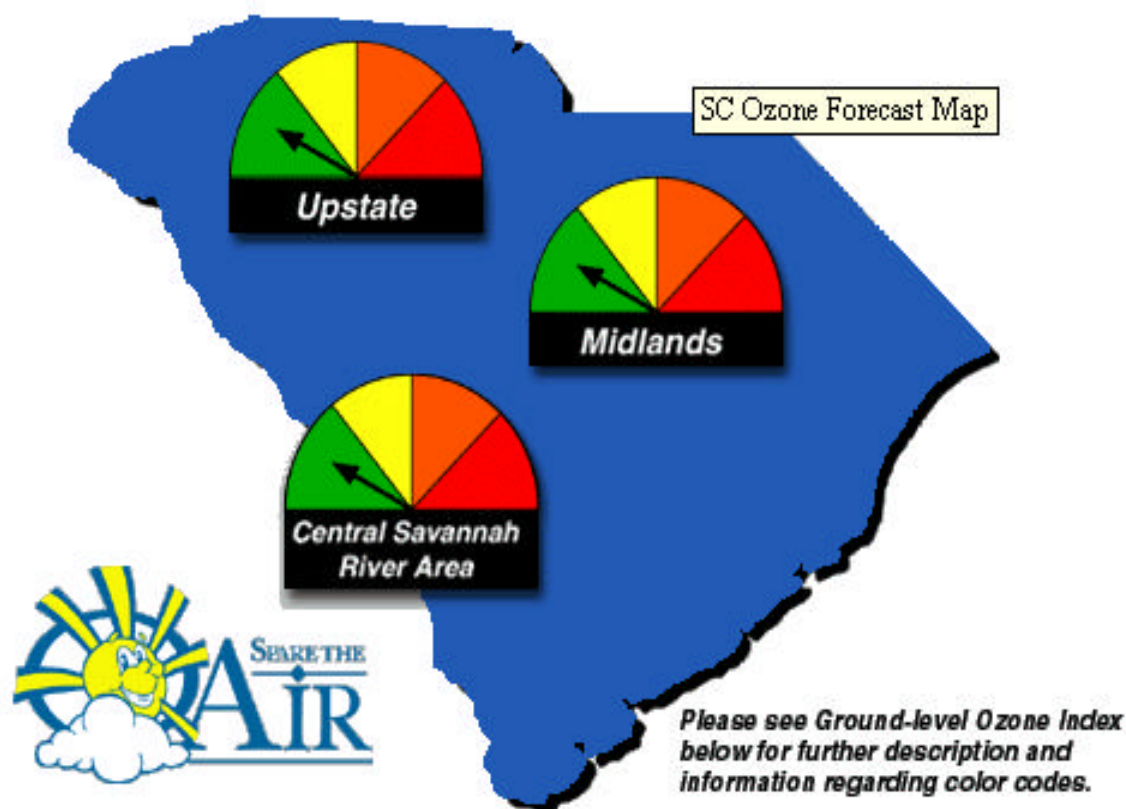
# Governor Signs Proclamation!

 Governor Jim  
Hodges proclaims  
May 1-7, 2001 as  
“Ozone  
Awareness  
Week.”



## South Carolina Ozone Forecast

for Saturday-Monday, April 15-17, 2000



# Things to come:

## Ethanol Pumps

-  DHEC building

-  Catawba Council of Governments

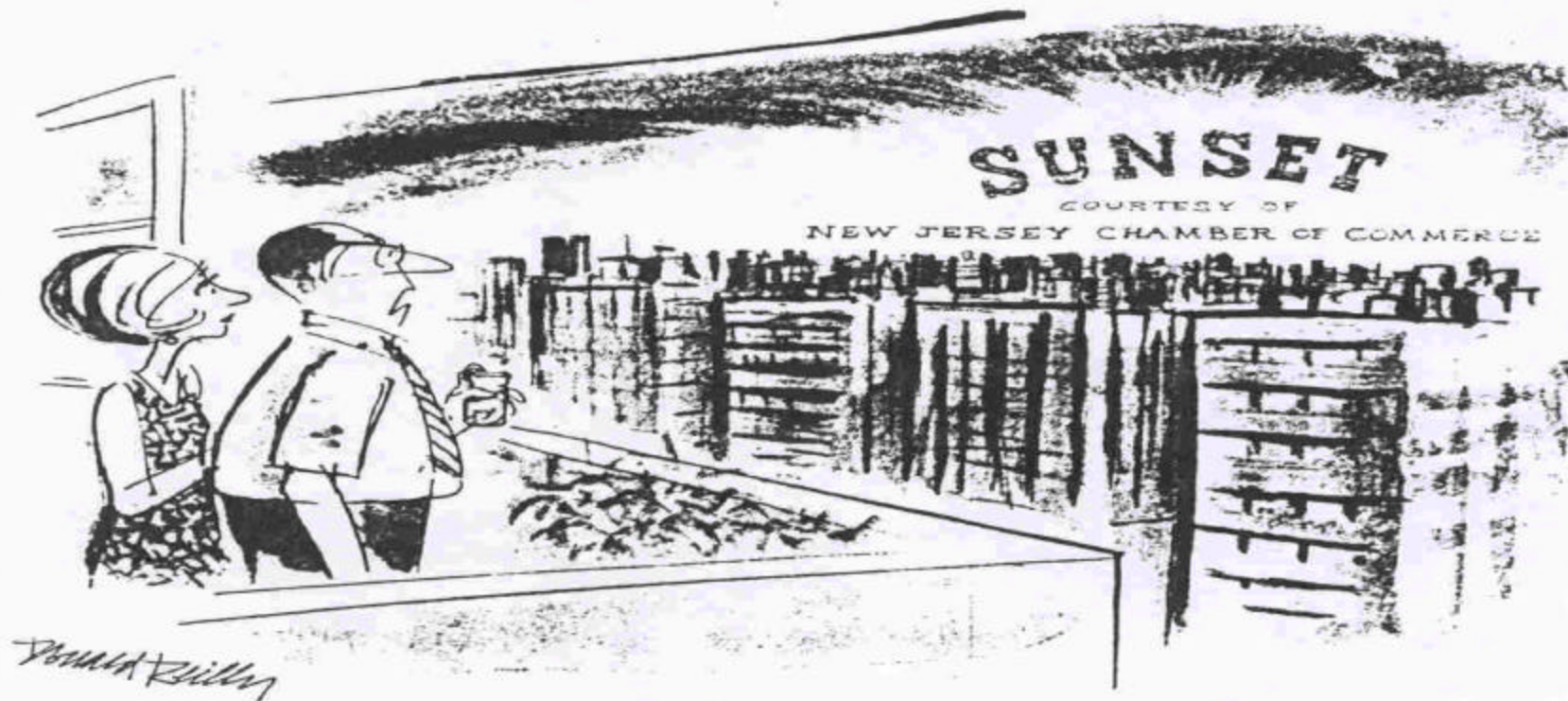
## Ozone Forecast Kick-off Events

-  Aiken-Augusta

-  Greenville-Spartanburg-Anderson

-  Columbia





**'Now what's Jersey trying to pull?'**

**DONALD REILLY, *The New Yorker***

**No Laughing Matter - The Cartoonist Focuses on Air Pollution**

**U.S. Department of Health, Education & Welfare**

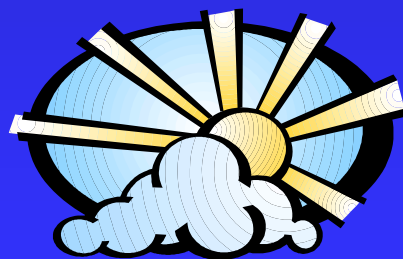
**Public Health Service**

**December, 1966**

# South Carolina Air Quality Information

Bureau of Air Quality  
(803) 898-4123

<http://www.scdhec.net/baq>



Bureau of Air Quality